

Mumbai University

May - 2018

**B.Sc.IT: SEMESTER – V**

**(QUESTION PAPER)**

**[IDOL – Old Course]**

**ELECTIVE – I**

**WEB DESIGN**

**AND**

**INTERNET BASED APPLICATIONS**

**Time:** 3 Hours**Total Marks:** 100**N.B.:** (1) Question No. 1 is Compulsory.

(2) Attempt any four from Question Nos. 2 to 7.

(3) Make Suitable Assumptions Wherever Necessary And State The Assumptions Made.

(4) Answer To The Same Question Must Be Written Together.

(5) Number To The Right Indicates Marks.

(6) Draw Neat Labeled Diagrams Wherever Necessary.

**Q.1 ATTEMPT THE FOLLOWING QUESTIONS: (20 MARKS)**

- (A) Explain <IFRAME> Tag with its attributes. (5)
- (B) Explain <LINK> Tag with its Attributes. Give examples. (5)
- (C) Create an Asp Page that will take an input a number and display reverse of that number. (5)
- (D) Write a VBSCRIPT function to print all prime numbers from 1 to100. (5)

**Q.2 ATTEMPT THE FOLLOWING QUESTIONS: (20 MARKS)**

- (A) Write a note on Session and Connection Pooling. (8)
- (B) Explain the Conditional Statements of VB Scripts with example. (6)
- (C) Explain <IMG> Tag with example. (6)

**Q.3 ATTEMPT THE FOLLOWING QUESTIONS: (20 MARKS)**

- (A) Explain the following HTML tags: <FRAME> and <FRAMESET> with example. (8)
- (B) Write HTML code to design the following: (6)
1. Indoor Games
    - a. Computer oriented
      - i. Bug debug
      - ii. NFS
    - b. Non Computer oriented
      - i. Carom
      - ii. Chess
  2. Outdoor Games
    - a. Cricket
    - b. Football
- (C) Explain Server object with its methods. Give example. (6)

**Q.4 ATTEMPT THE FOLLOWING QUESTIONS: (20 MARKS)**

- (A) What are Cookies? How Cookies are created? Set Lifetime of Cookie. (8)
- (B) Explain Logical Operators of VB Script with examples. (6)
- (C) Explain <DL>, <DT> & <DD> with examples. (6)

**Q.5 ATTEMPT THE FOLLOWING QUESTIONS: (20 MARKS)**

- (A) State and explain the following advanced features of Connection Object: (8)
- (i) Transaction Property
  - (ii) Open Schema Method
- (B) With example discuss following form collection tags: (6)
- (i) <TEXTAREA>
  - (ii) <FORM>
- (C) What are the different approaches to Style Sheets? Give example of each. (6)

**TURN OVER**

**Q.6 ATTEMPT THE FOLLOWING QUESTIONS: (20 MARKS)**

- (A) List and explain with syntax various FORM controls placed by <INPUT> tag. (8)
- (B) Explain three ways to connect to a MS Access database using ASP. (6)
- (C) Write a VBScript code to accept a word. Check whether it is in lowercase or uppercase. If in lower case, convert in uppercase and if in uppercase, convert in lower case and display it. (6)

**Q.7 ATTEMPT THE FOLLOWING QUESTIONS: (20 MARKS)**

- (A) Write HTML Code for the following HTML Page: (8)

Trends of Revenue for a firm

Price (Rs.) (P)	Quantity Sold(QR)	Total Revenue (TR)	Average Revenue (AR)
2	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	<input type="text"/>	<input type="text"/>	<input type="text"/>
5	<input type="text"/>	<input type="text"/>	<input type="text"/>
7	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="button" value="Calculate"/>			

Quantity-sold should be a drop down box with values: 2, 4, 6, 8, 10, and 12. Only one value can be selected at one time. Price cannot be modified.

- (B) Write VBScript function to validate above form as follows: (6)
- TR and AR should be greater than zero and numeric. On click of Calculate button, display TR and AR using the formulas  $TR = P \times QS$ ,  $AR = P$ .
- (C) Write ASP code to create a table PRODUCT (id, name, price, qty) in database ACM.MDB. Also insert two records in this table. (6)